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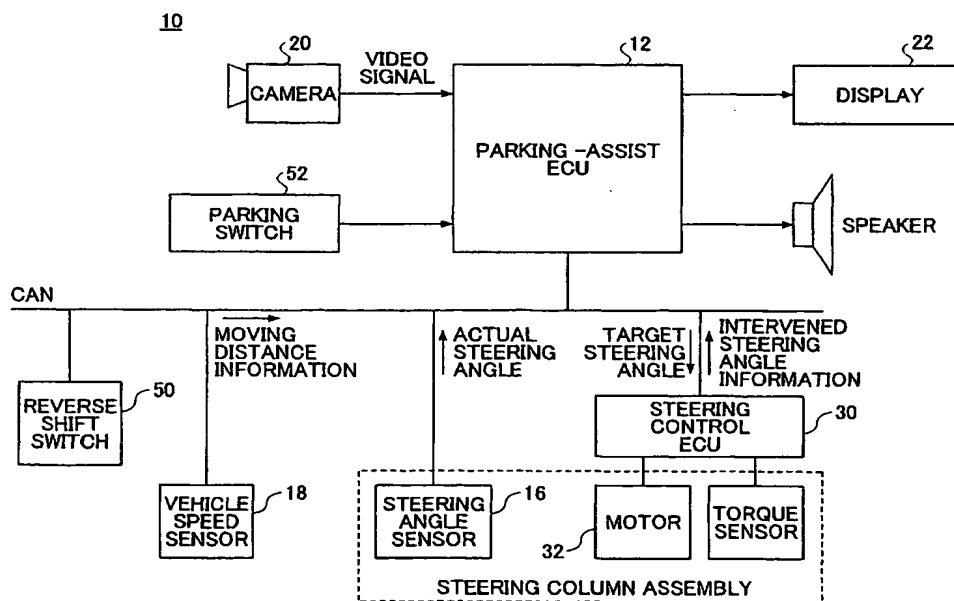
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[Continued on next page]

(54) Title: GUIDING DEVICE FOR GUIDING VEHICLE TO TARGET PLACE BY CONTROLLING THE STEERING ANGLE



(57) Abstract: A guiding device is disclosed for guiding a vehicle to a target position by controlling the steering angle while estimating the vehicle position at least based on a steering angle value, characterized in that, in estimating the vehicle position, a slowing operation with respect to a change  $dp$  in a moving distance of the vehicle is applied to a turning curvature  $g(\sin(p))$  estimated based on the steering angle value in order to compensate for the delay due to tire deformation, whereby the delay-compensated turning curvature  $y(p)$  is obtained.

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